

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Chitrapura et al.

Serial No.: Not Yet Assigned

Group Art Unit: Unknown

Filing Date: Concurrently Herewith

Examiner: Unknown

For: EXTRACTING AND GROUPING OPINIONS FROM TEXT DOCUMENTS

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

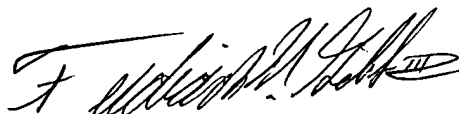
Sir:

Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicants' duty of disclosure under 37 CFR §1.56, applicants respectfully bring the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner. This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicants are aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 09-0441.

Respectfully submitted,



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Registration No. 37,629

Date: 12/5/03  
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Substitute for form 1449/PTO and PTO/SB/08  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>	
			Application Number	
			Filing Date	
			First Named Inventor	Krishna P. Chitrapura
			Art Unit	
Examiner Name				
Sheet		of	Attorney Docket No	JP920030160US1

US PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-		None	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	<sup>6</sup> T
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
				None		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.  
**SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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			Application Number		
			Filing Date		
			First Named Inventor	Krishna P. Chitrapura	
			Art Unit		
			Examiner Name		
Sheet		of		Attorney Docket No	JP920030160US1

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No <sup>1</sup>	Include name of Author (in CAPITALS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
		Turney, P. D. and Littman M. L., "Unsupervised Learning of Semantic Orientation from a Hundred-Billion-Word Corpus", <i>Technical Report NRC Technical Report ERB-1094</i> , Institute for Information Technology, National Research Council Canada, May 2002.		
		Hatzivassiloglou, V. and McKeown, K. R., "Predicting the semantic orientation of adjectives", <i>Proceedings of 35th Annual Meeting of the Association for Computational Linguistics (ACL-EACL 97)</i> , pages 174-181.		
		Hatzivassiloglou, V. and McKeown, K. R. "Towards the automatic identification of adjective scales: Clustering adjectives according to meaning", <i>Proceedings of the 31st Annual Meeting of the Association for Computational Linguistics (ACL-EACL 93)</i> , pages 172-182, June 1993.		
		Dini, L. and Mazzini, G., "Opinion classification through information extraction", <i>CELI</i> , Turin, Italy.		
		Pang, B., Lee, L and Vaithyanathan, S. "Thumbs up? Sentiment Classification using Machine Learning Techniques", <i>Proceedings of the 2002 Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> , .		
		Tuney, P. D. "Thumbs up or thumbs down? Semantic orientation applied to unsupervised classification of reviews", <i>Proceedings 40th Annual Meeting of the Association for Computational Linguistics (ACL '02)</i> , pages 417-424, Philadelphia, Pennsylvania.		

Examiner Signature		Date Considered	
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